

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 82 | ("20020000426" "20020009843" "20030069617" "20050254533" "20060256693" "4114018" "4227159" "4399529" "4581515" "4959119" "5121398" "5151909" "5173918" "5377212" "5381437" "5742634" "5828683" "5943351" "5963575" "6047011" "6091749" "6130900" "6285002" "6331993" "6366596" "6393034" "6414980" "6418154" "6449294" "6539035" "6541731" "6654391" "6664498" "6683893" "6782016" "7113533" "7149231" "7316067" "7456372").PN. | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:31 |
| S2 | 3 | ((("7316067") or ("6782016") or ("4959119")).PN. | USPAT; USOCR | OR | OFF | 2010/05/13 11:32 |
| S3 | 2 | S2 and q | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:32 |
| S4 | 2 | "20070000877" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:34 |

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|----|-------|--|---|----|----|---------------------|
| S5 | 4 | LASER and DEVICE and PIERCE and HOLE and FLUID and INJECTION and COMPONENT and MODULATE and UNIT and ARRANGE and RESONANCE and HEAD and AMPLITUDE and PRIMARY and SUPPLY and SET and SECONDARY | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:42 |
| S6 | 16341 | LASER with (PIERC\$4 drill\$4 ablat\$4 etch\$4) with (HOLE aperture apeture) and FLUID with INJECT\$4 and MODULAT\$4 with RESONA\$5 with (HEAD lens focus\$4 output) and AMPLI\$11 (PRIMARY SECONDARY) near2 pulse | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:46 |
| S7 | 2 | LASER with (PIERC\$4 drill\$4 ablat\$4 etch\$4) with (HOLE aperture (aperture) and (FLUID liquid fuel gas gasoline diesel) near3 INJECT \$4 and MODULAT\$4 near6 RESONAT\$3 near6 (HEAD lens focus \$4 output) and AMPLI \$11 with (PRIMARY SECONDARY) near2 pulse | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:48 |
| S8 | 0 | LASER with (machining cut\$4 mill\$4 PIERCS\$4 drill\$4 ablat\$4 etch\$4) and laser with (HOLE aperture aperture opening) and MODULAT\$4 near6 RESONAt\$3 near6 (HEAD lens focus\$4 output) and AMPLI\$11 with (PRIMARY SECONDARY) near2 pulse not S7 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:52 |

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| S9 | 89 | LASER with (machining cut\$4 mill\$4 PI ERC\$4 drill\$4 ablat\$4 etch\$4) and laser with solid adj state and MODULAT\$4 same RESONAt\$3 same (HEAD lens focus \$4 output) and AMPLI\$11 near5 pulse not S7 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:53 |
| S10 | 39 | LASER with (machining cut\$4 mill\$4 PI ERC\$4 drill\$4 ablat\$4 etch\$4) and laser with solid adj state and MODULAT\$4 with RESONAt\$3 same (HEAD lens focus\$4 output) and AMPLI\$11 near5 pulse not S7 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:54 |
| S11 | 37 | S10 and q | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:56 |
| S12 | 2 | S10 not S11 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:56 |
| S13 | 50 | S9 not S11 not S12 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 11:57 |
| S14 | 42 | S13 and q | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:03 |
| S15 | 8 | S13 not S14 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:03 |
| S16 | 6 | S15 not switch\$2 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:04 |

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| S17 | 2 | S15 not S16 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:04 |
| S18 | 2 | S15 not S16 and switch \$2 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:05 |
| S19 | 2 | S18 and solid | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:39 |
| S20 | 0 | S18 and solid and (string train) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:40 |
| S21 | 2 | S18 and solid and pulse | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:40 |
| S22 | 1 | S18 and (secondary primary) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:42 |
| S23 | 1 | (LASER with (machining cut\$4 mill \$4 PIERC\$4 drill\$4 ablat\$4 etch\$4) and laser with solid adj state and MODULAT\$4 same RESONA\$3 same (HEAD lens focus \$4 output) and AMPLI \$11 near5 pulse).clm. | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:43 |
| S24 | 2 | LASER with (machining cut\$4 mill\$4 PIERC\$4 drill\$4 ablat\$4 etch\$4) and (laser with solid adj state and MODULAT \$4 same RESONA\$3 same (HEAD lens focus \$4 output) and AMPLI \$11 near5 pulse).clm. not S23 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:44 |

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|-----|---|--|---|----|----|---------------------|
| S25 | 2 | LASER with (machining cut\$4 mill\$4 P IERC\$4 drill\$4 ablat\$4 etch\$4) and laser with solid adj state and (MODULAT \$4 same RESONA!\$3 same (HEAD lens focus \$4 output) and AMPLI \$11 near5 pulse).clm. not S23 not S24 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 12:51 |
| S26 | 0 | S25 and (primary secondary) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 13:05 |
| S27 | 1 | S25 and pulse with (length duration) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/13 13:06 |

5/13/2010 1:12:38 PM

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